

Serial No.: 10/681,650
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Examiner: A. J. Martin

LISTING OF CLAIMS:

1. (Original) A battery can for accommodating electrochemical materials therein, said battery can comprising:
an elongated and substantially cylindrical shell, said shell having a wall with a smooth outer surface, said wall having an inner surface; and
a plurality of lands and grooves formed on said inner surface of said wall, said lands and grooves defining a substantially uniform and continuously repeating pattern on said inner surface.
2. (Original) The battery can according to claim 1, wherein:
said lands and grooves extend longitudinally and for substantially an entire axial length of said battery can.
3. (Original) The battery can according to claim 1, wherein:
said substantially uniform and continuously repeating pattern on said inner wall is a sinusoidal pattern in cross-section.
4. (Original) The battery can according to claim 1, wherein:
said substantially uniform and continuously repeating pattern is one of a rectangular, a trapezoidal and a v-shaped pattern in cross-section.
5. (Original) The battery can according to claim 1, wherein:
said grooves extend into said wall by an amount approximately equal to 25% of a cross-sectional thickness of said wall.
6. (Original) The battery can according to claim 1, wherein:
no portion of an axial length of said shell is below approximately 0.004 inches in cross-sectional thickness.

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7. (Original) The battery can according to claim 3, wherein:
a minimum radii of said lands of said sinusoidal pattern is approximately equal to 0.005 inches.
8. (Original) The battery can according to claim 1, wherein:
said battery can is a AA-sized battery can; and
approximately 100 to 150 of said grooves are defined on said inner surface.
9. (Original) The battery can according to claim 1, wherein:
said battery can is a AA-sized battery can; and
approximately 120 of said grooves are defined on said inner surface.
- 10-20. (Cancelled)
21. (Withdrawn) A battery can for accommodating electrochemical materials therein, said battery can comprising:
an elongated and substantially prismatic shell, said shell having a wall with a smooth outer surface, said wall having an inner surface; and
a plurality of lands and grooves formed on said inner surface of said wall, said lands and grooves defining a substantially uniform and continuously repeating pattern on said inner surface.
22. (Withdrawn) The battery can according to claim 21, wherein:
said lands and grooves extend longitudinally and for substantially an entire axial length of said battery can.
23. (Withdrawn) The battery can according to claim 21, wherein:
said substantially uniform and continuously repeating pattern on said inner wall is a sinusoidal pattern in cross-section.

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24. (Withdrawn) The battery can according to claim 21, wherein:
said substantially uniform and continuously repeating pattern is one of a rectangular, a trapezoidal and a v-shaped pattern in cross-section.
25. (Withdrawn) The battery can according to claim 21, wherein:
said grooves extend into said wall by an amount approximately equal to 25% of a cross-sectional thickness of said wall.
26. (Withdrawn) The battery can according to claim 21, wherein:
no portion of an axial length of said shell is below approximately 0.004 inches in cross-sectional thickness.
27. (Withdrawn) The battery can according to claim 23, wherein:
a minimum radii of said lands of said sinusoidal pattern is approximately equal to 0.005 inches.
- 28-36. (Cancelled)
37. (New) A battery can for accommodating electrochemical materials therein, said battery can comprising:
an elongated shell, said shell having a wall with a smooth outer surface, said wall having an inner surface; and
a plurality of lands and grooves formed on said inner surface of said wall, said lands and grooves defining a substantially uniform and continuously repeating pattern on said inner surface.

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